



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

QUARTERLY PROGRESS REPORT

Project Title:	New Jersey Local Congestion, Safety, Security Initiative		
RFP NUMBER:	NJDOT/FHWA RESEARCH PROJECT MANAGER(S): Nazhat Aboobaker/William Hoffman		
TASK ORDER NUMBER/Study Number: Task Order No. 132 / 4-26993	PRINCIPAL INVESTIGATOR: Ali Maher/Joe Orth		
Study Start Date: 12/11/2002 Study End Date: 12/11/2004	Period Covered: 3rd Quarter 2003		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
1.1 Literature Search	15	14	66	80
1.2 Present NJDOT/FHWA	5	.5	.5	10
2.1 Survey Customers	30	15	15	50
3.1 Crash Data Training	6.25	20	40	2.5
3.2 Identify/Provide Tools	6.25	10	20	2.5
3.3 Provide Emergency Response Training	6.25	0	0	0
3.4 Promote Congestion Mitigation	6.25	15	15	.9
3.5 Introduce Congestion Best Practices	6.25	6.25	6.25	100
3.6 Explore Mass Transit Alternatives	6.25	5	10	.6
3.7 Facilitate Safety and Security	6.25	5	5	.3
3.8 Personnel Safety Training	6.25	0	0	0
TOTAL	100			

1. Progress this quarter by task:

A. The Security Literature Review was completed and distributed to NJDOT & FHWA for approval.

- a. On 6/27/03, the FHWA Office of Security Operations opened a security website for local transportation agencies. This site provides several resources for county and municipal agencies that are involved with creating their own security plans. Also, the national Safety Conscious Planning Model has been expanded to include a section on security planning, as well as safety planning.
- b. Mr. Art Egan, NJDOT, is now responsible for completing security planning for the counties of New Jersey, while Rod Roberson, former Assistant Commissioner, has been assigned to prepare a consolidated plan for NJDOT that includes the Parkway and the Turnpike.
- c. The Safety Component of the Literature Review has been critiqued by both Dr. Aboobaker and William Beans of NJDOT. The Crash Records Division will be using portions of the review for further work at their agency.
- d. After receipt of the feedback on the Security component, the paper will be compiled and presented during the NJDOT Showcase in October 2003.

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- B. Several meetings have been held between FHWA, NJDOT, and Rutgers CAIT-LTAP representatives. On 7/23 Bill Beans met with the program director to discuss the results of the Literature Review. He also designated C. Knezek to chair the Crash Data subcommittee of the CSSI Project. On 7/28 a meeting took place at the National LTAP Conference between Claudia and Ben Gribbon (FHWA) on the application of Safety Conscious Planning at the local level. Next, Dr.'s Aboobaker and Knezek met to review the progress of the grant on 8/14/03, while a second meeting was held earlier that day between Claudia and Karen Yunk on the preparation of an upcoming Intersection Safety Workshop. On 8/15, Dr. Maher and Pat Ott were also briefed on the progress of the grant to date.
- C. **Update of Grant Project** Representatives from SJTPO met with Patty Leech (FHWA) and Claudia Knezek to review the content of the Safety Survey. The group offered to share their data with Rutgers, but a final decision was made to have Rutgers send out their own survey because some of the questions did not pertain to Safety Conscious Planning and the data was already one year old. The computer consultant is currently creating an on-line instrument that will be accessed by the respondents. Larry Cullari (FHWA) is also preparing a letter of explanation that will be distributed throughout the state during early September.
- D. **Literature Review:** The three sections of the Literature Review are being compiled into a technical report that will be presented at two state conferences during the fall.
- E. **Discussion of Safety Conscious Planning Model:** The Safety Conscious Planning Model is a new program, developed by FHWA that integrates transportation safety and engineering. It has recently been updated to fit the scope of the CSS Initiative, which addresses safety, security, and congestion on both the State and Local levels. Also, the MPOs are directly involved in the process. The NJDOT Crash Records department is very much interested in having their records used to determine where safety applications can be made locally and identify high volume crash locations.
- F. **Survey Plan:** The Safety Survey has been prepared and is ready to be distributed electronically, after the survey letter has been prepared in early September.
- F. Proposed activities for next quarter by task

CSS Initiative Programs	
Activity	Projected Time Period
Visit Comparable State	October
Visit NJDOT Personnel	September
Survey Distribution	September
Electronic Data Analysis	October
Completion of Literature Review	September
Preparation of Presentation for Showcase	September



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- a) Continue Literature Search
- b) Report regularly on current state of practice to the executive board
- c) Distribute survey
- d) Meet with various stakeholders

3. List of deliverables provided in this quarter by task (product date)

Draft of Security Literature Review
CSS Initiative Survey

4. Progress on Implementation and Training Activities

Planned Intersection Safety Workshop (12/3/03)

5. Problems/Proposed Solutions

1. Problem: Gaining Support for Safety Conscious Planning Model

Solution: FHWA hosted meeting with SJTPO and received approval to continue with the Project that integrates engineering and safety into one plan.
2. Problem: The Safety Conscious Planning Model has recently been modified to include Security Into the Safety component, which is more useful for local transportation agencies that are seeking technical support in developing their own security plans.

Solution: Rutgers personnel will address both, Safety and Security in the training forums.

6. Budget Summary*

Total Project Budget (# of years)	1 and 2 Year	\$ 741,836
Total Project Expenditure to date		\$114,875
% of Total Project Budget Expended		15%
Task Order Number/Study Number:		132 / 4-26993
Current Task Order Budget (# of years)	Year 1 and 2	\$ 741,836
Actual Expenditure to date against current task order		\$114,875
% of current task order budget expended		15%

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.

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